

Begin

REEL # 225
Khvil', M.N.

KHVIL', M.N.
KHODOSOV, K.O.; KHVIL', M.N.

Organizing the work of students on collective farms. Politekh.
obuch. no.3:34-43 Mr '57. (MLRA 10:5)

1. Srednyaya shkola No. 2 goroda Khorola Poltavskoy oblasti.
(Student employment) (Collective farms)

KHVIL', M.N.; KHODOSOV, K.O.

Experience in industrial training Politekh.obuch. no.10:
25-27 0 '59. (MIRA 13:2)

1. Srednyaya shkola No.2, g.Khorol Poltavskoy oblasti.
(Automobile drivers) (Tractors)

KH. VILEVITSKIY, L.O.

PAGE 1 FOR EXCERPT 8/2/57

Abstracts and Index. Institute of Automatics. Similar to
periodicals and other documents. 24 and 24 series

Various forms of automatic systems (problems in automatic systems;
Moscow, 1960. All p. Krasnaya Zvezda. 4,500 copies printed.

Book. Ed. K.A. Ayzenshteyn, Doctor of Technical Sciences, Professor, Ed. of Publishing
House. Ed. 1961. Tech. Ed. 8.4. 110 pages.

NOTE: This collection of articles is intended for scientific workers, industrial
engineers and engineers interested in automatic and telemechanics.

CONTENTS: The collection of 3 articles is a continuation of an earlier work of the
Academy of Sciences USSR, on pneumatic and hydraulic automation systems, published
in 1959. A wide range of problems connected with the automation of
pneumatic and hydraulic systems is treated. The collection also contains illustrations of
the various types of pneumatic and hydraulic systems. The collection also contains
a number of articles on the possibility of using pneumatic and hydraulic systems for
the automation of mechanical devices. Some articles of this collection were written in
the German Democratic Republic and in Czechoslovakia and reflect a somewhat different
approach to automatic problems. No personalities are mentioned. References
are given at the end of the articles.

RESEARCH AND RESEARCH DATA AND STUDIES OF AUTOMATIC REGULATION

Regulation, 1.1. Pneumatic Regulating Pressure and Regulation of Pressure
Control and Regulation of Pressure 37

Auton. 1.1. and L.O. Regulatable. Dynamic Characteristics of AS
Regulation Systems (Problems in Automatic Systems. Designing Assembly Systems) 63

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 0001-01 0001-01 (A) SOURCE CODE: UR/0000/00/000/000/0001/0000

AUTHOR: Litvin, A. I.; Nagayevskaya, A. A.; Khvilevitskiy, L. O.

DATE: 1966

TITLE: Modular design of continuous action controllers for general industrial use

SOURCE: AN SSSR. Institut avtomatiki i telemekhaniki. Pnevmoavtomatika (Pneumatic automation). Moscow, Izd-vo Nauka, 1966, 71-80

TOPIC TAGS: pneumatic control, pneumatic device, automatic pneumatic control, industrial automation, automatic control equipment

ABSTRACT: Various standard pneumatic control modules, circuits and subsystems are described. These units are built from standard electric modules and components. Two- and three-layer amplifiers are described. The former can be used as an isolating input-follower, as variable gain operational amplifiers, or as a sign of difference sensor. The analog of the voltage is pressure. At a bandwidth of 0-20 rad/sec, the amplitude accuracy is 5% and the phase accuracy is 5° for no-load conditions. Two types of pneumatic resistances are available--fixed and variable. Fixed resistances are capillaries 0.18 and 0.32 mm, and 20 mm length. Variable resistances are used in feedback loops, summation circuits, and timing circuits. Over the operational range of 0-1.4 kg/cm², these resistances are nonlinear. The capacitors consist of hermetically sealed

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ACC NR: AT8021729

pneumatic containers. Two types of repeaters are used: accurate, low-power and coarse, high-power. The former reproduces the input pressure with an accuracy of $\pm 0.25\%$. Its static characteristics are similar to those of the two-input amplifier. Another version of the low-power, accurate repeater includes an output offset. The coarse repeater is capable of transmitting signal over distances up to 300 m. It has $\pm 3\%$ accuracy. The resistive adder module consists of two variable or fixed resistors and a two-input amplifier. The gain can be adjusted for each input. The accuracy of the coarse amplifier can be increased to $\pm 0.5\%$ by using a lower power repeater in its feedback loop. The inertial network consists of a fixed or variable resistor and a pneumatic capacitor in series with it. It is used in the input of a two-input amplifier. A proportional module can take two forms: summation using resistors, or summation through membranes. In the first case, a single two-input amplifier and four resistances are used in the manner of the conventional differential operational amplifier; in the second case, one three-input, and one two-input amplifier is used. The integrating module can also be realized using resistive summation or membrane summation. In the first version, a two-input amplifier is combined with five resistances and one capacitor and in the other version a three-input amplifier with a single resistor and a capacitor is used. The anticipation module consists of a two-input amplifier with an inertial network in its feedback loop. Proportional controllers are built by attaching power amplifiers to proportional modules. In the case of the integrating controller, the output is based on the use of an inertial network in the feedback loop. In the case of the anticipation controller, the output is based on the use of an inertial network in its feedback loop. Orig. doc. lang: Russian.

CLASS: 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.

S/194/61/000/008/034/092
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13.7000

AUTHORS: Auzan, R.A. and Khvilevitskiy, L.O.

TITLE: Dynamic properties of automatic pilots and recommendations as to their setting

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 8, 1961, 38, abstract 8 V295 (V sb. Vopr. pnevmo- i gidroavtomatiki, M., AN SSSR, 1960, 68-78)

TEXT: The results are given of experimental analysis of dynamic properties of pneumatic regulators. The experiments were carried out with ПМ - (PI) and ПМР - (PID) regulators, designed from the standard elements of an automatic pilot. For each regulator a structural diagram is presented and the standard equation derived which determines the law of the regulation input and the dependence of coefficients of this equation on the parameters of regulator setting. The frequencies are determined, at which the regulator reproduces, with adequate accuracy, the law of the regulation input.

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Dynamic properties...

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D201/D304

From data obtained in the experiment the exact equations of the regulator are produced. 4 references. [Abstracter's note: Complete translation]

✓B

Card 2/2

ZNAMENSKIY, V.V.; KHVILEVITSKIY, M.O.

Using the controlled directional sensitivity method for regional
seismic prospecting in the Caspian Lowland. Trudy MINKHIGP no. 50:
27-66 '64 (MIRA 18:2)

Khvilivitskaya, I. F.

Khvilivitskaya, I. F. "First psychiatric morbidity in Leningrad in the period of war, blockade, and post-war," Ogr.-metod. voprosy sovr. neytrpsikiatrii (VII), 1948, p. 23-36

SO: U-3264, 10 April 53(Letopis 'Zhurnal 'nykh Statey, No. 4, 1949).

KHVILIVITSKAYA, I.F.

Characteristics of mental disorders in viral influenza. Vop.psikh.
i nevr. no.7:230-239 '61. (MIRA 15:8)

1. Iz 2-y Leningradskoy psikhonevrologicheskoy bol'nitsy (glavnyy
vrach T.I.Nikolayeva, nauchnyy konsul'tant prof. Ye.S.Averbukh).
(PSYCHOSES) (INFLUENZA)

RAVILIVITSKAYA, N. A.

23622 GEORGIY FEDOROVICH LANG-UCHENYY, UCHITEL' I DETAYEL' SDRUZHENIYA.
ELNICH. DOKLADY, 1949, No. 7, STR. 4-11, S. 1044.

SO: LITPLS' NO. 31. 1949

KHVTILIVITSKAYA, M. I., ROBINSON, M. YU.

Disability Evaluation

Principles in the evaluation of temporary disability of patients. Sov. zdrav. 12, no. 1, 1953.

9. Monthly List of Russian Accessions, Library of Congress, May 1953. Unclassified.

KHVILIVITSKAYA, M. I., prof.; BOGOMAZOVA, V. P. kandidat meditsinskikh nauk.

Compensatory ability and working capacity, following partial and total lobectomy and medical decisions involved. Sov. med. 19 no.11:11-19
N '55 (MLRA 9:1)

1. Iz Leningradskogo instituta ekspertizy trudo sposobnosti i
trudoustroystva invalidov (dir.-dotsent A. A. Ivanov)

(LUNGS, SURGERY,
lobectomy, postop, working capacity)
(WORK,
capacity after lobectomy)

KHVILIVITSKAYA, M.I.; KHIN, L.Yu.; POKOTINSKAYA, L.A.

Prognosis in myocardial infarction; late observations. Terap.arkh.
27 no.2:3-15 '55. (MLRA 8:7)

1. Iz kardiologicheskogo sanatoriya VTSSPS v Leningrade (glavnyy
vrach B.N.Vvedenskiy).
(MYOCARDIAL INFARCT,
progn.)

KHVILIVITSKAYA, M.I.

KHVILIVITSKAYA, M.I.; UVERSKAYA, V.T.; TARTAKOVSKIY, M.B. (Leningrad)

Fourteenth All-Union Congress of Therapists. Terap.arkh. 29
no.1:83-99 Ja '57. (MIRA 10:12)
(HEART--DISEASES)

KHVILIVITSKAYA

KHVILIVITSKAYA, M.I.; BOGOMAZOVA, V.P. (Leningrad)

Pregnancy following pneumonectomy. Klin.med. 35 no.11:56-60 N '57.
(MIRA 11:2)

1. Iz Leningradskogo nauchno-issledovatel'skogo instituta ekspertizy trudosposobnosti i trudostroystva invalidov.

(PNEUMONECTOMY, cases reports,
subsequent pregn.)

(PREGNANCY
following pneumonectomy)

EXCERPTA MEDICA Sec 19 Vol 2/11 Rehabilitation Nov 59

2238. Rehabilitation of patients following total or partial resection of lung (Russ. text) KHIVILIVITSKAYA M. I. and BOGOMAZOV V. P. *Klin. Med. (Moskva)* 1958, 36/11 (54-60) Tables 7

The majority of patients who have undergone a partial or total lung resection find employment during the first 6 months after the operation. Working capacity is regained more rapidly after removal of a part of a lung than after resection of an entire lung. Persons whose work required considerable physical effort over a prolonged period or in bad weather were forced to change their occupation as a result of pneumonectomy or lobectomy. Need for a different occupation, a decrease in the amount of work done, or a lowering of qualifications were most frequent in patients who had had total or partial lung resection for a suppurative pulmonary condition or for carcinoma of the lung. In re-employment of patients after total or partial lung resection, the actual working conditions must be considered as they affect each particular case.

(XIX, 9, 15)

*General Post-Operative Estimation of Work
Capacity of Amputees*

KHVILIVITSKAYA, M.I., prof.; BOGOMAZOVA, V.P., starshiy nauchnyy
sotrudnik

Prevention of disability in bronchiectasis. Trudy LIETIN 2:
23-29 "59. (MIRA 13:7)
(BRONCHIECTASIS) (INDUSTRIAL HYGIENE)

KHVILIVITSKAYA, M.I., prof.; BOGOMAZOVA, V.P., starshiy nauchnyy
sotrudnik

Disability evaluation in bronchiectasis. Trudy LISTIN 2:30-
35 '59. (MIRA 13:7)
(BRONCHIECTASIS) (DISABILITY EVALUATION)

KHV LIVITSKAYA, M.I., prof.

Basis of the principles of disability evaluation in chronic
pneumonia and bronchiectasis. Trudy LITIN 2:175-178 '59.

(MIRA 13:7)

(LUNGS--DISEASES)

(DISABILITY EVALUATION)

Khvilivitskaya, Mariya Iosifovna. Primalni uchastiye: ADAMOVA, A.V.; BOGOMAZOVA, V.P.; KALININA, Ye.V.; LIKHNITSKAYA, I.I.; MIKIRTUMOVA, Ye.V.; MIKHAYLOVA, N.F.; NIKIFOROVA, O.A.; SADOV'YEV, A.I.; SEL'KOV, Ye.A.; SOBOLEVA, A.V.; UL'YANOVA, L.S.; KHRUSTINA, S.B.; DEMBO, A.G., red.; KHARASH, G.A., tekhn. red.

[Adjustment of the body following pulmonary resection] O prispobliyaemosti organizma posle rezektsii legkogo. Leningrad, Gos. izd-vo med. lit-ry Medgiz, 1960. 170 p. (MIRA 14:9)

1. Kollektiv klinicheskogo otdela Leningradskogo nauchno-issledovatel'skogo instituta ekspertizy trudosposobnosti i organizatsii truda invalidov (for all except Khvilivitskaya, Dembo, Kharash). (LUNGS—SURGERY)

KEVILIVITSKAYA, M.I., prof.; NIKITINA, K.I., vrach-ekspert; MAGARIL,
M.Yu., kand.med.nauk

Work capacity in elderly and senile hypertension patients. Trudy
LIETIN no.4:92-99 '60. (MIRA 16:2)
(GERIATRICS) (HYPERTENSION) (DISABILITY EVALUATION)

KHVILIVITSKAYA, M.I., prof.; NIKITINA, K.I., vrach-ekspert;
MAGARIL, N.Yu., kand.med.nauk

Characteristics of the clinical manifestations of hypertension
in elderly and senile persons. Trudy LIETIN no.4:100-112 '60.
(MIRA 16:2)
(GERIATRICS) (HYPERTENSION)

KHVILIVITSKAYA, M.I., prof.; MAGARIL, M.Fn.

Morbidity, mortality and disability in coronary atherosclerosis.
Terap.arkh. no.8:53-58 '62. (MIRA 15:12)

1. Iz Leningradskogo nauchno-issledovatel'skogo instituta ekspertizy
trudospособnosti i organizatsii truda invalidov i nauchno-metodiche-
skogo byuro sanitarnoy statistiki Leningradskogo sanitarnogo otdela
zdravookhraneniya.

(CORONARY HEART DISEASES) (ARTERIOSCLEROSIS)

VOLYNSKIY, Z.M., prof.; GILYAREVSKIY, S.A., prof.;
 GEFTER, A.I., prof.; DEMIN, A.A., prof.; ZELENIN, V.F., prof.;
 ISTAMANOVA, T.S., prof.; KEDROV, A.A., prof.; MESHALKIN, Ye.N.,
 prof.; KEDROV, A.A., prof.; MESHALKIN, Ye.N., prof.; SAVITSKIY,
 N.N., prof.; FOGEL'SON, L.I., prof.; KHVILIVITSKAYA, M.I., prof.;
 LUKOMSKIY, P.Ye., prof., red. toma; MYASNIKOV, A.L., prof., otv.
 red.; TAREYEV, Ye.M., prof., zam. otv. red.; BAGDASAROV, A.A.,
 prof.[deceased], red.; BARANOV, V.G., prof., red.; VOVS, M.S.,
 prof., red.[deceased]; IVANOV, V.N., prof., red.[deceased];
 KURSHAKOV, N.A., prof., red.; MOLCHANOV, N.S., prof., red.;
 NESTEROV, A.N., prof., red.; SPERANSKIY, I.I., prof., red.
 [deceased]; ZAMYSLOVA, K.N., prof., red.; PERCHIKOVA, G.Ye.,
 kand. med. nauk, red.; ERINA, Ye.V., kand. med. nauk, red.;
 LYUDKOVSKAYA, Yu.S., tekhn. red.; BEL'CHIKOVA, Yu.S., tekhn.red.

[Multivolume manual on internal diseases]Mnogotomnoe rukovodstvo
 po vnutrennim bolezniyam. Otv. red. A.L.Miasnikov. Moskva,
 Medgiz. Vol.1. [Diseases of the cardiovascular system]Bolezni
 serdechno-sosudistoi sistemy. Red. toma: P.E.Lukomskii i N.N.
 Savitskii. 1962. 686 p.

(MIRA 15:12)

(Continued on next card)

KHVILIVITSKAYA, Mariya Iosifovna. Prinimali uchastiye: LIKHNITSKAYA, I.I., dots.; KANAYEV, N.N.; KANAYEV, I.N.; KLIMOV, S.P., red.

[Methodological fundamentals of disability evaluation expertise in chronic nontuberculous diseases of the lungs]
Metodicheskie osnovy ekspertizy trudosposobnosti pri khronicheskikh netuberkuleznykh zabolevaniyakh legkikh. Leningrad, Meditsina, 1964. 150 p. (MIRA 17:11)

1. Zaveduyushchaya otdeleniyem funktsional'nykh metodov issledovaniya Leningradskogo nauchno-issledovatel'skogo instituta ekspertizy trudosposobnosti i organizatsii truda invalidov (for Likhmitskaya).

KHVILIVITSKAYA, M.I., prof.; NIKITINA, K.I., mladshiy nauchnyy sotrudnik

Characteristics of clinical manifestations of coronary atherosclerosis in elderly and senile persons. Trudy LIETIN no.16: 218-222 '64.

Indices of the working capacity and characteristics of work organization for elderly and senile persons with atherosclerosis of the coronary arteries. Ibid.:223-228 (MIRA 19:1)

KOSINSKAYA, N.S., prof.; KHVILIVITSKAYA, M.I., prof.

Evaluation of the working capacity and work organization for elderly and old people. Trudy LIETIN no.16:130-135 '64.

(MIRA 19:1)

1. Leningradskiy nauchno-issledovatel'skiy institut ekspertizy trudosposobnosti i organizatsii truda invalidov.

27885-62 EWT(d)/KPP(a) - 5/10/11 1-4/P1-4/PG-4/PAS-2/P2-4/PS-4/P2-4
 11/10/68

ACCESSION NR: AT5003953

8/0000/64/000/000/0308/0311

AUTHOR: Darkhovskiy, B. S.; Khvilovitskiy, L. O.

TITLE: Pneumatic correlator

SOURCE: Nauchno-tekhnicheskoye obshchestvo priborostroyitel'noy promyshlennosti, Nauchno-tekhnicheskoye soveshchaniye, 3d, Moscow, 1962, Vychislitel'naya tekhnika dlya avtomatizatsii proizvodstva (Computer technology for the automation of production); trudy soveshchaniya, Moscow, Izd-vo Mashinostroyeniya, 1964, 308-311

TOPIC TAGS: correlation function, delay line, integrator, pneumatic control, multiplier, control element

ABSTRACT: The described pneumatic correlator evaluates the approximate correlation function

$$R(t) \approx \frac{1}{T} \int_0^T f_1(t-\tau) f_2(\tau) d\tau$$

with the signals $f_1(t)$ and $f_2(t)$ obtained from pickups located directly in the system control line. $f_1(t)$ is fed directly to a multiplication block, while $f_2(t)$

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7886-65

ACCESSION NR: AT5003953

is fed through a multi-tap delay line to individual integrators. The multi-
plication block was developed by IAT AN SSSR (Institute of Automation and Remote
Control). The delay line consists of a series of identical delay blocks, each of
which approximates the pure-delay transfer function by a second-degree meomorphic
function. It is indicated that construction of analog versions of the multiplier
encounters technical difficulties and time-pulse and number-pulse multiplication
variants are now under development. Standard aperiodic integrators are used. The
correlator control system makes it possible to adjust the delay time, the scales
of the coefficients, and the integrators, and to check the working order of all
the correlator elements. The correlator can be used in error-dependent control
systems, in extremal control systems, and to regulate objects with variable char-
acteristics. Orig. art. has 2 figures and 2 formulas.

ASSOCIATION: None

SUBMITTED: 01Sep64

ENCLOS: 00

SUB CODE: 12

NR REF SOV: 001

OTHER: 001

Card 2/2

Khvilivitskiy, R. Ya.

Synthesis of azodicarboxylic acid methyl ester and study
of its ability to initiate certain chemical reactions. I. I.
Fedotova, R. Ya. Khvilivitskiy, and I. I. Znachinskaya.
Uchenye Zapiski Gor'kovsk. Univ., 1953, No. 24, 183-6;
Referat. Zhur. Khim., 1954, No. 41234. (MHC, Mech (I)
with HNO_3 gave 23.2% (I) at 90-300° occurs with a quant.
thermal decoupling of II at 90-300° occurs with a quant.
evolution of N_2 . The polymerization of Me methacrylate
(III) when initiated by II was more easily controlled than
when initiated by Bz_2O_2 or $(\text{NCO}_2\text{Et})_2$. II also initiates
the emulsion polymerization of III. I, obtained in 05.3%
yield from ClCO_2Et and N_2H_4 , m. 127-8° (from water),
1 (30 g.) in 60 ml. HNO_3 (d. 1.37) mixed with 40 ml. HNO_3
(d. 1.45) at 0° and the mixt. kept 1.5 hrs. and poured into
ice water gave 23.2% II. E. Wierbicki

L 7874-66 EWT(1)/EWA(h)

ACC NR: AP5024979

SOURCE CODE: UR/0286/65/000/C16/0043/0043

AUTHORS: Nemanov, V. S.; Khvilivitskiy, M. S.

ORG: none

TITLE: Dynamic range converter²⁵ Class 21, No. 173802 [announced by All-Union
Scientific Research Institute im. A. S. Popov (Vsesoyuznyy nauchno-
issledovatel'skiy institut)]

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 16, 1965, 43

TOPIC TAGS: transistorized amplifier, bridge circuit, *electronic circuit*

ABSTRACT: This Author Certificate presents a dynamic range converter to electric signals. The converter contains a transistorized bridge amplifier and an array of linear and nonlinear resistances. To obtain nonlinear amplitude characteristics, to increase the input impedance of the circuit, and to increase the stability of operation of the device, a nonlinear functional converter of diodes is connected to the load resistance which at the same time is the bridge diagonal. Combined emitter followers and resistors are inserted in the bridge arms.

SUB CODE: EO/ SUBM DATE: 29Apr64

Card 1/1

UDC: 621.314.26

2

L 22000-66 EWT(m)/ENP(v)/ENP(j)/T/ETC(m)-6 IJP(c) W/RM

ACCESSION NR: AP5024504

UR/0191/65/000/010/0031/0034 28

678.674.06-419:677.521.01.539.219.2 13

AUTHOR: Sukhareva, L. A.; Smirnova, Yu. F.; Zubov, P. I.; Zamotova, A. V.;
Khvilivitskiy, R. Ya.

TITLE: Internal strain in reinforced systems based on polyester acrylate binders

SOURCE: Plasticheskiye massy, no. 10, 1965, 31-34

TOPIC TAGS: fiberglass, glass cloth, epoxy plastic, polyester plastic, adhesion,
internal stress, bending strength, rupture strength

ABSTRACT: The effect of curing conditions, binder composition and surface
treatment of the reinforcing glass on the internal strain, mechanical, and adhesive
properties of fiberglass was studied. Two curing rates were used--(1) gradual
heating for 19 hours to 200 C and then holding at 200 C for 10 hours, and (2)
heating to 200 C in 2 hours and holding for 20 hours. Glass cord treated with
paraffin emulsion or with vinyltriethoxysilane and glass cord heat treated at
400-450C were used for reinforcing. A two-component system (epoxy resin and
polyester acrylate MD) or a three-component system (epoxy, MD and an unsaturat-
ed carboxyl-containing compound) were used as binders. Internal strain was

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L 22000-66

ACCESS ON NR: AP5024504

greater across the warp than along the warp. Greater internal strains were produced by the slower curing method. The mechanical characteristics of fiberglass cured by method (2) were generally higher. Physical-mechanical properties and internal strain were lower in fiberglass made of the three-component binder. Paraffin emulsion had little effect on internal strain, while the silane coating increased internal strain in the fiberglass made of the three-component binder. The strength properties of the fiberglass depend on the ratio of the internal strain values to the adhesion of the binder to the glass fiber surface. Fiberglass made of resin based on the carboxyl-containing compound, which has greatest internal strain and least adhesion, is weakest. Greatest strength was obtained with the three-component binder applied to glass cloth treated with vinyltriethoxysilane, where adhesive strength exceeds 200 kg/sq cm and the glass is torn out when the sample is broken. Orig. art. has: 8 figures and 3 tables

ASSOCIATION: None

SUBMITTED: 00

ENCL: 00

SUB CODE: //

NR REF SOV: 003

OTHER: 000

Card 2/2 BK

L 11828-65 EWP(s)/EPA(s)-2/ENT(m)/EPP(s)/EWP(1)/EPR/EWP(j)/T/EWP(b) Pc-4/ /
 Pq-4/R-4/Ps-4 RPL RM/WH/WH
 ACCESSION NR: AP5011993 UR/0374/65/000/001/0093/0099

AUTHOR: Andreyevskaya, G. D. (Moscow); Gorbatkina, Yu. A. (Moscow); Zarotova, A.V. (Moscow); Kiseleva, R. L. (Moscow); Orlovskaya, T. V. (Moscow); Khvilivitskiy, R. Ya. (Moscow)

TI: Effect of modification of the glass fiber surface on the adhesion and mechanical strength of glass-reinforced plastics

SOURCE: Mekhanika polimerov, no. 1, 1965, 93-99

TOPIC TAGS: reinforced plastic, fiberglass, adhesion, polyester plastic, epoxy plastic, polymer physical chemistry

ABSTRACT: A study has been made of the adhesion strength of epoxy-polyester binders to glass fibers and its effect on the mechanical properties of glass-reinforced plastics. The experiments were conducted with polyester resin modified with ED-6 epoxy resin containing carboxyl compounds. Benzoyl peroxide or methyltetrahydrophthalic anhydride curing agents were used. Alkali-free glass fibers (7-12 μ in diameter) were used as the filler. The fibers were either nonmodified or modified with a paraffin lubricant or with water-repellant finishes such as Volan (chromium methac-

Cont. 15

L 41928-65

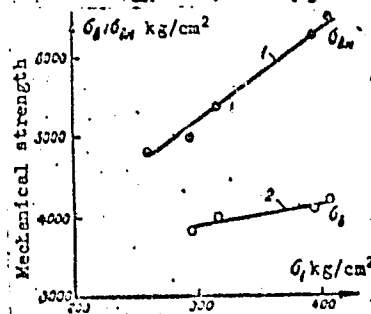
ACCESSION NR: AP5011993

rylate chloride—chromium oxychloride complex), vinyltriethoxysilane, or amino derivatives of organosilicon monomers (γ -aminopropyltriethoxysilane, AGM-3). These difunctional finishes react with both the glass fiber surface and the binder. In order to stabilize the water-repellant finish on the glass surface and form a strong adhesive bond, the fibers were modified immediately after drawing by immersion for 3—5 min in 3% aqueous finish solutions, drying at room temperature, and heat treatment for 20—30 min at 120°C.

Adhesive strength

Fig. 1. Effect of glass fiber surface modification on the mechanical properties of glass-reinforced plastics

1 - Bending strength; 2 - tensile strength.



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L 41828-65

ACCESSION NR: AP5011993

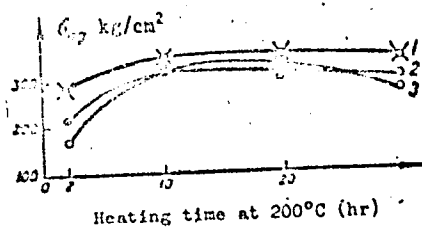


Fig. 2. Effect of additional heat treatment on the adhesion strength of epoxy-polyester polymer to glass fibers

1 - Fibers modified with vinyltriethoxysilane; 2 - nonmodified fibers; 3 - fibers treated with a paraffin lubricant.

Measurements of adhesive bond strength showed that the binder adheres more strongly to modified fiber surfaces than to nonmodified or lubricated surfaces. The best results were obtained with vinyltriethoxysilane and amino derivatives of ethoxysilanes, which form a strong bond with the glass surface and participate in the formation of network structures during polymerization of the binder.

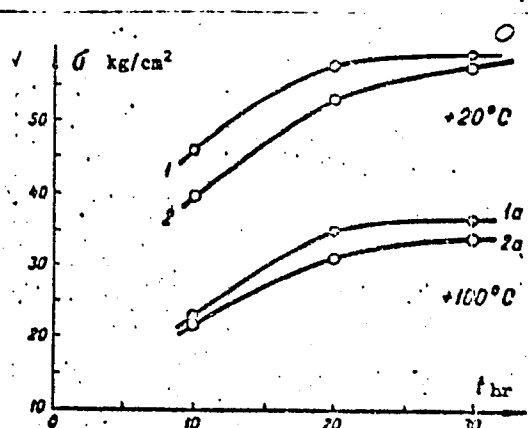
Card 5/5

L 41828-65

ACCESSION NR: AP5011993

Fig. 3. Effect of additional heat treatment on the bending strength of glass-reinforced plastics

1, 1a - Glass fabric treated with vinyltriethoxysilane; 2, 2a - heat-treated glass fabrics.



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L 41523-65

ACCESSION NR: AP5011993

The relationship between the adhesive strength and the mechanical properties of glass fiber reinforced plastics was studied by bending and tensile tests. The results shown in Figs. 1-3 indicate that finishing and additional heat treatment, which increase the adhesion between binder and glass fiber, also improve the mechanical properties of the epoxy-polyester glass reinforced plastics.

ASSOCIATION: none

SUBMITTED: 17Aug64

ENCL: 00

SUB CODE: MT, GC

NO REF SOV: 008

OTHER: 000

ATD PRESS: 3206-F

Cord

5/5

KHVILIVITSKAYA, T. YA.

Khvilivitskaya, T. Ya. "On the problem of methods for analyzing the activity of psychiatric institutions," Ogr.-metod. voprosy sovr. neytrpsikiatrii (VII), 1948, p. 68-102

SO: U-3264, 10 April 53 (Letopis 'Zhurnal 'nykh Statey, No. 4, 1949).

SOV/81-59-10-37447

Translation from: Referativnyi zhurnal. Khimiya, 1959, Nr 10, p 575 (USSR)

AUTHORS: Fedotova, Ye.I., Khvilivitskiy, R.Ya., Ovchinnikova, A.G.

TITLE: An Investigation of Benzylaminodiazobenzene as Initiator of Polymerization ⁷

PERIODICAL: Uch. zap. Gor'kovsk. un-ta, 1958, Nr 32, pp 179-183

ABSTRACT: Crystalline benzylaminodiazobenzene (I) at 95 - 200°C and in a solution of ethylcellosolve at 50 - 115°C decomposes with evolution of N₂ (90 - 91.5 mol. % per one mole of decomposed I). At 80°C I initiates the polymerization of methylmethacrylate in the mass (concentration of I 0.01 - 0.33% of the monomer weight).

R. Milyutinskaya

Card 1/1

KHVILIVITSKIY, S.I.

Method of calculating the operating conditions of the terminal cascade of an amplifier. Trudy LIXI no.3:80-83 '55. (MLBA 9:8)

1. Kafedra spetsial'noy elektrotehniki.
(Amplifiers, Electron-tube)

MEDYAKOVA, L.V.; KHVILIVITSKIY, S.I.

Selective RC-filters. Trudy LIXI no.3:84-90 '55. (MLRA 9:8)

1. Kafedra spetsial'noy eletotekhniki.
(Electric filters)

KHVILIVITSKIY, T.G.

Designing an electron-tube oscillator operating under overload
conditions onto a mismatching load. Radiotekhnika 8 no.4:20-26
Jl-Ag '53. (MIRA 11:6)
(Oscillators, Electron-tubes)

KHVILIVITSKIY, T.Ya., SLUTSKINA, P.I., AVDASHEVA, L.P., AL'FER, Ye.G.
KATSNEL'SON, A.M., MIKHALENKO, I.N.

Using drugs with opposing action in combined insulin therapy for
schizophrenia [with summary in French]. Zhur.nevr. i psikh. 28
no.9:1096-1105 '58 (MIRA 11:11)

1. Psikhonevrologicheskiy institut imeni B.M. Bekhtereva (dir.
prof. V.N. Myasishchov) i 2-ya Leningradskaya psikhonevrologicheskaya
bol'nitsa (glavnyy vrach T.I. Nikolayeva).

(SCHIZOPHRENIA, ther.

insulin shock, in assoc. with drugs with opposing
action (Rus))

(SHOCK, THERAPY INSULIN, in var. dis.

schizophrenia, in assoc with drugs with opposing
action (Rus))

MYASISHCHEV, Vladimir Nikolayevich, prof., red.; ~~Khvilivitskiy~~,
 Teodor Yakovlevich, starshiy nauchnyy sotrudnik, red.;
 GRASHCHENKOV, N.I., prof., red.; ANAN'YEV, B.G., prof., red.;
 VASIL'IEV, L.L., prof., red.; GILYAROVSKIY, V.A., prof., red.
 [deceased]; OMOROKOV, L.I., prof., zasluzhennyy deyatel' nauki,
 red.; PROTOPOPOV, V.P., prof., red. [deceased]; BERKENBLIT,
 Z.M., red.; RULEVA, M.S., tekhn.red.

[V.M.Bekhterev and modern problems in the structure and function
 of the brain under normal and pathological conditions; transactions
 of the All-Union Conference in Honor of the 100th Anniversary of
 V.M.Bekhterev's Birth] V.M.Bekhterev i sovremennye problemy stroe-
 niia i funktsii mozga v norme i patologii; trudy Vsesoiuznoi
 konferentsii, posviashchennoi stoletiiu so dnia rozhdeniia V.M.
 Bekhtereva. Pod red. V.N.Miasishcheva i T.A.Khvilivitskogo.
 Leningrad, Gos.izd-vo med.lit-ry Medgiz, Leningr.otd-nie, 1959.
 294 p. (MIRA 14:2)

(Continued on next card)

MYASISHCHEV, V.N.---(continued) Card 2.

1. Chlen-korrespondent Akademii pedagogicheskikh nauk RSFSR (for Myasishchev). 2. Predsedatel' Uchenogo meditsinskogo soveta Ministerstva zdavookhraneniya SSSR, chlen-korrespondent AN SSSR i deystvitel'nyy chlen AMN SSSR (for Grashchenkov). 3. Deystvitel'nyy chlen Akademii pedagogicheskikh nauk RSFSR (for Anan'yev). 4. Chlen-korrespondent AMN SSSR (for Vasil'yev). 5. Deystvitel'nyy chlen AMN SSSR (for Gilyarovskiy). 6. Deystvitel'nyy chlen AN USSR (for Protopopov).

(NERVOUS SYSTEM)

(BEKHTEREV, VLADIMIR MIKHAILOVICH, 1857-1927)

KHVLIVITSKIY, Teodor Yakovlevich (Sci Res Psychoneurological Inst
in. Bekhterev) for Doctor ~~of Medical Sciences~~ on the basis of disser-
tation ^{defended} 28 Nov 1958 in ~~the~~ Council of ~~the~~ Leningrad Sanitary Hygiene²
Medical Institute, entitled: "The Teaching on Manic-Depressive Psychosis
and ~~the~~ Clinic of ~~the~~ Atypical Forms," (of St) (HMVISO USSR, 2-61, 20)

KL 50-58, 127

1cc
20

MIRSKAYA, M.M.; KHVILIVITSKIY, T.Ya.

Periodic psychoses. Trudy Gos. nauch.-issl. psikhonevr. inst.
no.20:179-189 '59. (MIRA 14:1)

1. Gosudarstvennyy nauchno-issledovatel'skiy psikhonevrologicheskiy
institut imeni V.M. Bekhtereva, Leningrad.
(PSYCHOSES)

KHVILIVITSKIY, T.Ya.; KOVSHULYA, V.S.; SLUTSKINA, P.I.

Directed change in reactivity in the treatment of mental patients
with insulin and aminazine. Trudy Gos. nauch.-issl. psikhonevr.
inst. no.20:249-258 '59. (MIRA 14:1)

1. Gosudarstvennyy nauchno-issledovatel'skiy psikhonevrologicheskiy
institut imeni V.M. Bekhtereva, Leningrad.
(MENTAL ILLNESS) (INSULIN)
(CHLORPROMAZINE)

KHVILIVITSKIY, T.Ya.

Treatment of affective intermittent psychoses and an attempt at grouping them clinically. Report No. 2. Vop. psikh. i nevr. no.5: 214-232 '59. (MIRA 14:5)

1. Iz Psikhonevrologicheskogo instituta imeni V.M.Bekhtereva (direktor - chlen-korrespondent Akademii pedagogicheskikh nauk RSFSR prof. V.N. Myasishchev).

✓ (PSYCHOSES)

KHVILIVITSKIY, T.Ya.

Structure of some psychopathological syndromes and their "therapeutic sensitivity". Zhur. nevr. i psikh. 61 no.5:725-732 '61.

(MIRA 14:7)

1. Psikhonevrologicheskiy institut imeni V.M.Bekhtereva (dir. - prof. V. N.Myasishchev), Leningrad.

(PSYCHOPHARMACOLOGY)

(MENTAL ILLNESS)

KHVILIVITSKIY, T.Ya.

Curative use and mechanism of action of certain new "psychotropic"
drugs. Trudy Gos, nauch.-issl. psikhonevr. inst. no.24:113-125 '61.
(MIRA 15:5)

1. 1-oye psikhiatricheskoye otdeleniye Gosudarstvennogo nauchno-
issledovatel'skogo psikhonevrologicheskogo instituta imeni Bekhtereva.
(PSYCHOTROPIC DRUGS)

KHVILIVITSKIY, T. YA.

"Special Features of the Psychopathological and Pathophysiological Structure of Certain Psychotic Syndromes and the Choice of Appropriate Psychotropic Agents for their Cure."

paper presented at the Second Hungarian Conference on Therapy and Pharmacological research, Budapest, Hungary, 2-7 Oct 62

Bechterew Psychoneurological Institute, Leningrad.

KEVILIVISLIE, T.Ya. (Leningrad)

Concept of nervism and the psychosomatic problem in the light of
therapeutic data on mental disorders. Trudy Gos. nauch. issle. psikhonevr.
inst. 29:75-87 1963. (MIRA 17:8)

BAZHENOVA, K.M., dots.; VOL'FOVSKAYA, R.N., dots.; GARVIN,
Leonid Iosifovich, dots.; KALASHNIKOV, B.P., prof.;
K'YANDSKIY, A.A., prof.; LEVIN, G.Z., prof.; LOPOTKO,
I.A., prof.; PARIYSKAYA, T.V., kand. med. nauk;
ROZHDESTVENSKIY, V.I., doktor med. nauk; ROMANOVSKAYA, V.K.;
TUR, A.F., prof.; KHVILIVITSKIY, T.Ya., prof.; KHROMOV, B.M.,
prof.; SHRAYBER, M.G., prof.; D'YACHENKO, P.K., red.

[Manual for the physician on emergency and first aid] Spra-
vochnik vracha skoroi i neotlozhnoi pomoshchi. Izd.2., ispr.
i dop. Leningrad, Meditsina, 1965. 355 p. (MIRA 18:4)

REZILIVITSKIY, T.Ya.

Characteristics of emotional disorders in some psychoneurological syndromes and their significance in the treatment with psychotropic substances. Vop. psikh. nevr. no.10, 1961-1977. 1977.

(MIA 1981-)

L. Leningradskiy nauchno-issledovatel'skiy psikhonevrologicheskiy institut imeni V.M.Bekhtereva (direktor - B.A.Lebedev).

KHVILYA, K.S., kand.tekh.nauk

How to secure a uniform depth of seed plates. Mekh. sil'. hosp.
[9] no.5:13-14 My '58. (MIRA 11:6)
(Planters (Agricultural machinery))

KHVINIYA, L.V.

One case of solution of a differential equation of heat conductivity for bodies of complex configuration. Soob. AN Gruz. SSR 20 no. 3:257-264 Mr '58. (MIRA 11:7)

1. Konstruktor'skoye byuro "Glavprommash." Predstavleno akademikom N.I. Muskhelishvili.

(Heat--Conduction)
(Differential equations)

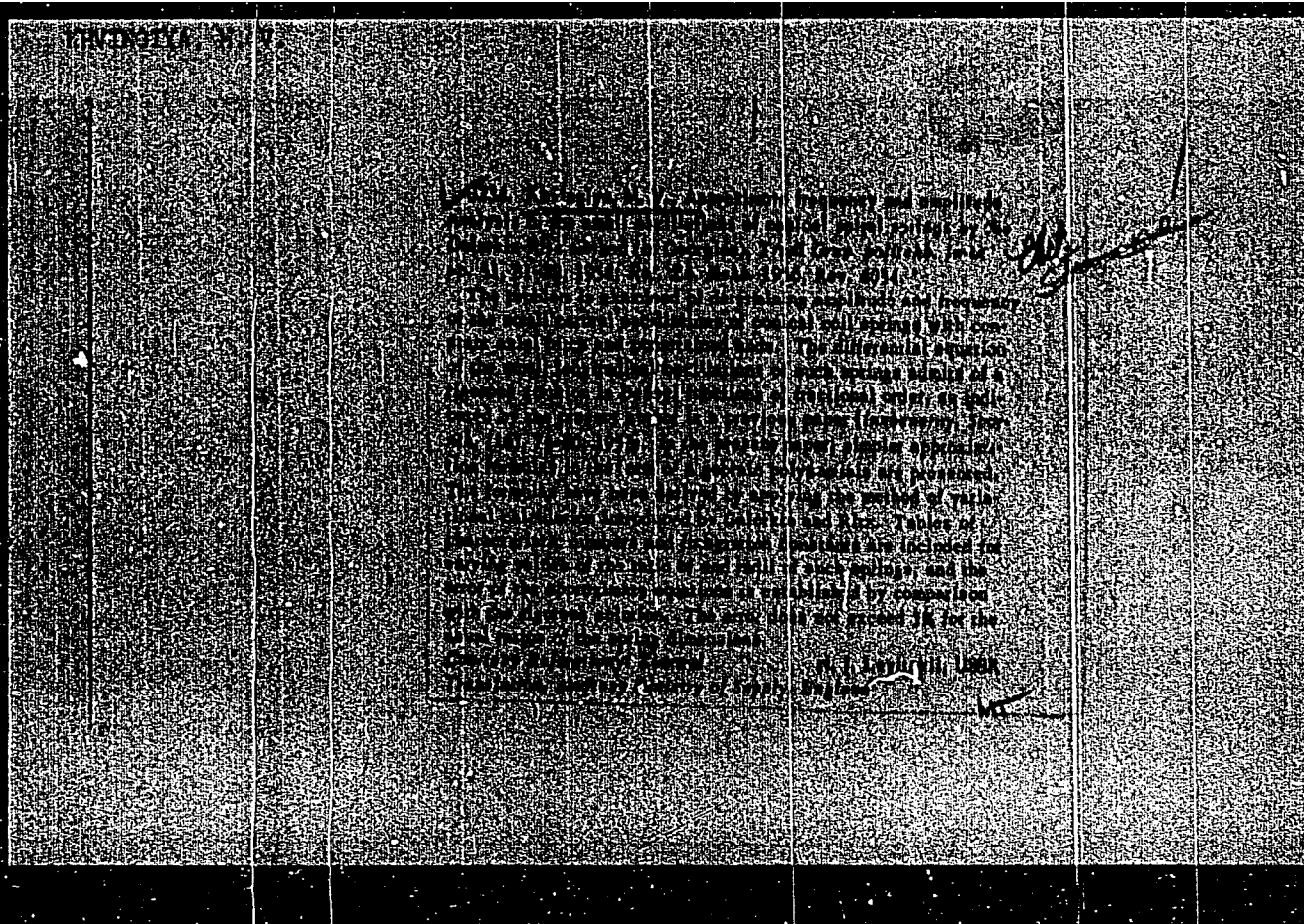
KHVINIYA, M. V.

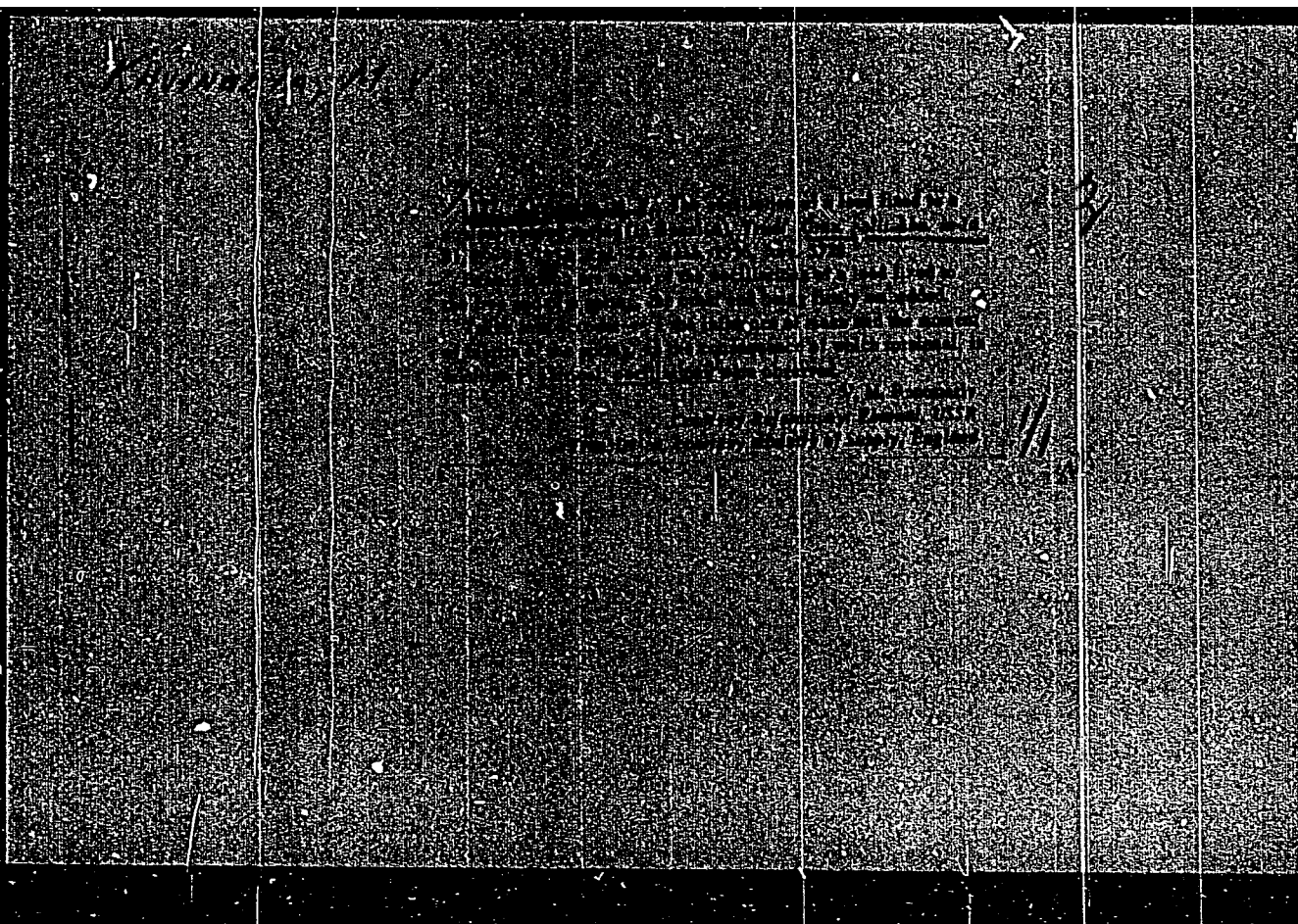
*Khvinia, M. V. Small amplitude vibrations of constant
with constant (the problem) (Soviet Journal of Appl. Math.
Mech. 1977, 41, 1053)*

The equation for free vibration of a rod with a spring is solved by transforming it into an ordinary form of the equation of vibration. Characteristics are given for cases where (1) both ends are fixed; (2) one end is fixed and the other is free. Their first two roots are tabulated. Formulas for frequency and integration constants corresponding to given initial conditions are obtained. Comparing with approximate formulas given by A. D. Ponomarev and A. V. Belykh, the error and field of application for approximate formulas are determined. M. Katsuka, Japan

Georgian Polytech Inst. in Tbilisi

gff





Khvingiya, M. V.

124-57-2-2462

Translation from: Referativnyy zhurnal, Mekhanika, 1957, Nr 2, p 134 (USSR)

AUTHOR: Khvingiya, M. V.

TITLE: How to Determine the Angle of Twist of Conical Springs (K voprosu opredeleniya ugla skruchivaniya konicheskikh pruzhin)

PERIODICAL: Tr. Gruz. politekhn. in-ta, 1954, Nr 34, pp 103-110

ABSTRACT: An investigation of the relative angular displacements of the ends of conical springs during their compression. Convenient approximate relationships are offered. It is established that conical springs having an Archimedean spiral as their planform are subjected to a greater amount of twist than conical springs wound according to a logarithmic spiral. An examination is made of the linear and angular displacements of the ends of conical springs when loaded by compressive forces and twisting moments.

1. Spring--Deformation 2. Mathematics

S. D. Ponomarev

Card 1/1

SOV/124-58-8-9318

Translation from. Referativnyy zhurnal, Mekhanika, 1958, Nr 8, p 135 (USSR)

AUTHOR: Khvingiya, M.V.

TITLE: The Small Longitudinal Vibrations of Conical Springs and Springs of Various Shapes (Malyye prodol'nyye kolebaniya konicheskikh i fasonnykh pruzhin)

PERIODICAL: V sb. Vopr. proyektir., izgotovleniya i sluzhby pruzhin. Moscow-Leningrad, Mashgiz, 1956, pp 86-112

ABSTRACT: It is assumed here that when a spring vibrates the individual spring coils never actually touch one another. For the purpose of the author's investigation a spring is considered to be a bar which varies in mass and rigidity along its length. The author integrates the equations of the motion of such a bar in terms of Bessel functions. For one particular case the variational method is also used. Tables of characteristic parameters for springs of different designs are included
V.L. Biderman

Card 1/1

Khvingiya, M.B.

SOV/124-58-5-60/4

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 5, p 153 (USSR)

AUTHOR: ~~Khvingiya, M.B.~~

TITLE: On Transverse Oscillations and Stability of Coiled Cylindrical Springs With Clamped Ends (K voprosu poperechnykh kolebaniy i ustoychivosti vitykh tsilindricheskikh pruzhin s zashchemlennymi kontsami)

PERIODICAL: Tr. Gruz. politekhn. in-ta, 1956, Nr 7 (48), pp 137-144

ABSTRACT: The problem is solved by reducing the spring to an equivalent rod by means of the well-known method [Osnovy sovremennykh metodov rascheta na prochnost' v mashinostroyenii (Fundamentals of Modern Structural Design Calculation Methods in Machinery) Mashgiz, 1952, Chapter VII, paragraph 3]. The author has committed errors in drawing up the basic differential equation of the oscillation. Equations (1.5) and (1.6) are incorrect and so is equation (2.3) derived from these two equations. The reference made by the author to the work of Timoshenko is not justified since Timoshenko's equation differs substantially from the one used by the author. As the result of the above, the equations obtained for the frequency

Card 1/2

SOV/124-58-5-6094

On Transverse Oscillations and Stability of Coiled Cylindrical Springs (cont.)

of oscillations are erroneous. In the particular case of a spring at rest, the dynamic terms in which the errors have been committed are eliminated and correct values for critical forces, coinciding with the well-known solutions are obtained.

V.L. Biderman

1. Helical springs--Stability
2. Hilical springs--Oscillation
3. Mathematics

Card 2/2

SOV/124-57-9-11054

Translation from: Referativnyy zhurnal. Mekhanika, 1957, Nr 9, p 164 (USSR)

AUTHOR: Khvingiya, M. V.

TITLE: Transverse Oscillations of Conical Coil Springs. (Poperechnyye kolebaniya konicheskikh pruzhin)

PERIODICAL: Tr. Gruz. politekhn. in-ta, 1956, Nr 7 (48), pp 145-152

ABSTRACT: The problem is reduced to the determination of the transverse-oscillation frequencies of an equivalent rod of variable cross section without taking into consideration the transverse forces acting within the cross sections of such equivalent rod, which forces, as is well known, exert an appreciable influence on the oscillation frequency of the spring.

V. L. Biderman

Card 1/1

KHVINGIYA, M.V. (Tbilisi)

Determining approximately the natural frequency of minor vibrations
of conic springs. Inzh.sbor. 24:236-238 '56. (MLRA 10:5)
(Springs (Mechanism))

KHVINGIYA, M.V., kand. tekhn. nauk

~~Lateral vibrations and longitudinal bending of conical springs~~
compressed by axial forces. Izv. vys. ucheb. zav.; mashinostr.
no.3/4:43-51 '58. (MIRA 12:5)

L.Gruzinskiy politekhnicheskiy institut.
(Springs (Mechanism))

KHVINGIYA, M.V. (Tbilisi)

Effect of shears and rotation inertia on the frequency of bending
vibrations of elastic rods. Inzh.zhur. 3 no.4:727-732 '63.

(MIRA 16:12)

KHVINGIYA, M.V., kand. tekhn. nauk

lateral vibrations of cylindrical helical springs compressed by axial forces. Rasch.na prech. no.10:307-323 '64.

(MIRA 18:1)

KORNIYENKO, A.M.; SHTEL'MAKHOV, M.S.; GEYLER, Z.Sh.; BERESNEV, V.A.;
KOTLIK, S.B.; GORFINSKIY, Kh.M.; ZEL'DIN, Yu.R.; KURGIN, Yu.M.;
BELYAYEV, V.G.; ZAK, P.S.; ZAYTSEV, A.A.; LI, A.M.; SKVORTSOV, L.N.;
LUTTS, R.R.; KHVINGIYA, M.V.; NINOSHVILI, B.I.; SEMENCHENKO, D.I.;
SUKHANOV, V.B.

Soviet inventions in mechanical engineering. Vest.mashinestr.
45 no.11:87-88 N '65. (MIRA 18:12)

KHVASYUK, N.I.

Lumbosupraprapectineal approach to the vertebrae of the lumbar region of the spine. Ortop., travm. i protez. 26 no.4:43-46 Ap '65.

(MIRA 18:12)

1. Iz kafedry ortopedii i travmatologii (zav. - chlen-korrespondent ANU SSSR prof. N.P.Novachenko) Ukrainского instituta usovershenstvovaniya vrachev (rektor - dotsent I.I.Ovsiyenko). Adres avtora: Khar'kov, Pushkinskaya ul., dom 80, Institut ortopedii i travmatologii.

ABAKELIYA, M.S.; BUKHNIKASHVILI, A.V.; TABAGUA, G.G.; KHVITIYA, G.P.;
DZHASHI, G.G.

Use of electric prospecting at the Chiatur manganese deposit.
Trudy Inst. geofiz. AN Gruz. SSR 21:99-120 '63.
(MIRA 18:12)

KHVITIK, G.P.

Distribution of the electric field of a point source of current located on the edge of a V-shaped valley. Scob. AN Gruz. SSR 40 no.1:63-68 0 '65. (MIRA 18:12)

1. Institut geofiziki AN Gruzinskoy SSR, Submitted February 2, 1965.

KHVITIYA, G.P.

Use of the method of resistance in the approximate determination of the angle of slope of the interface of two media of a crest. Soob. AN Gruz. SSR 33 no.1:73-77 Ja '64.

(MIRA 17:7)

1. Institut geofiziki, AN Gruzinsky SSR, Tbilisi. Predstavleno chlenom-korrespondentom akademii M.M. Mirtanashvili.

CHANTURISHVILI, L.S.; KHVITIA, G.P.

Fig. 1. of a point source in a space represented by three sectors.
Soob. AN Gruz. SSR 30 no.5:559-564 My '63. (MIRA 16:11)

1. Institut geofiziki AN GruzSSR, Tbilisi. Predstavleno chlenom-
korrespondentom AN GruzSSR M.M. Mirianashvili.

S/169/62/000/006/032/093
D228/D304

AUTHORS: Bukhnikashvili, A. V., Dzhashi, G. G. and Khvitiya, G. P.

TITLE: Some peculiarities of the local natural electric field in the example of the Adzharskoye polymetal deposit in the Georgian SSR

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 6, 1962, 30, abstract 6A226 (Izv. AN SSSR, Ser. geofiz, no. 10, 1961, 1533-1537)

TEXT: Some characteristic peculiarities of the Adzharskoye polymetal deposit's natural electric field are considered. It is noted that as a result of surveys made in adits, the following characteristic features of this electric field are revealed: 1) The magnitude of the electric potential is directly proportional to the concentration of ore minerals; 2) the local electric field is characterized by regular diurnal variations, which appear to be due to the superimposition of telluric current fields; 3) an increase in
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Some peculiarities of ...

S/169/62/000/006/032/093
D228/D304

the solution pH usually leads to a decrease in the value of the electric field's intensity; 4) the abundant precipitation lowers the electric field's intensity, since the content of the SO_4^{2-} anion decreases. It is noted that measurements were made at points in an adit and at the epicenters of these points on the surface in order to verify the absorption of the natural electric field with depth. The convergence of the resulting curves is observed. It is concluded from their comparison that the depth of sirveying by the natural electric field method does not appear to exceed 100 m. [Abstracter's note: Complete translation.] ✓

Card 2/2

KHVITIYA, R.A.

Additional pollination with pollen mixture in producing tea seed. Dokl.Akad.sel'khoz. 24 no.1:32-35 '59. (MIRA 12:2)

1. Chakvinskiy filial Vsesoyuznogo nauchno-issledovatel'skogo instituta chaya i subtropicheskikh kul'tur. Predstavlena akademikom K.Ye.Bakhtadze.
(Tea) (Fertilization of plants)

KHVITIYA, R.A., aspirant

Additional pollination with pollen mixtures in the production of
tea seeds. Biul. VNIICHISK no.1:76-82 '57. (MIRA 15:5)

1. Gruzinskiy sel'skokhozyaystvennyy institut.
(Tea)
(Seed production)

KHVIYUZOV, Valentin Fedorovich; RAZUMOV, N.P., red.; NOSHAROVA, T.P.,
red. izd-vs; LAVRENOVA, N.B., tekhn. red.

[Underwater ship repairs] Podvodnyi sudoremont. Moskva, Izd-
vo "Morskoi transport," 1961. 81 p. (MIRA 14:5)
(Ships--Maintenance and repair)

YEFREMOCHKIN, N.V.; KHVOINSKAYA, R.S.

Draining operating gas producing sections Nos. 8 and 9 in
the Moscow Station "Podzemgaz." Nauch. trudy VNIIPodzemgaza
no.9:22-28 '63. (MIRA 16:11)

1. Laboratoriya gidrogeologicheskaya Vsesoyuznogo nauchno-
issledovatel'skogo instituta podzemnoy gazifikatsii ugley.

YERMOL'YEVA, Z.V.; KHVOLES, A.G.

Comparative evaluation of the determination of enterotypic
bacterial sensitivity to antibiotics of the tetracycline series
by means of serial dilutions and phase contrast microscopy.
Antibiotiki 5 no.2:73-76 Mr-Ap '60 (MIRA 14:5)

1. Kafedra mikrobiologii (zav. - chlen-korrespondent AMN SSSR.
prof. Z.V.Yermol'yeva) Tsentral'nogo instituta usovershenstvovaniya
vrachey. (SHIGELLA) (TETRACYCLINE) (SALMONELLA)

KHVCLES, A.G.

Use of cover glass of large size in microphotography. Lab. delo 6
no. 4159 J1-Ag '68. (MIRA 13:12)

1. Kafedra mikrobiologii (zav. - chlen-korrespondent AMN SSSR prof.
Z.V. Yermol'yeva (TSentral'nogo instituta usovershenstvovaniya vrachey
(dir. M.D. Kovrigina), Moskva.
(MICROPHOTOGRAPHY)

YERMOL'YEVA, Z.V.; KHVOLES, A.G.

Role of involutional forms of bacteria in evaluating their sensitivity to antibiotics. Mikrobiologiya 29 no. 4:544-547 J1-Ag '60.
(MIRA 13:10)

1. Tsentral'nyy institut usovershenstvovaniya vrachey, Kafedra mikrobiologii.
(SHIGELLA PARADYSENERIAE) (SALMONELLA) (ANTIBIOTICS)

S/016/60/000/05/48/079

AUTHOR: Khvoles, A.G.

TITLE: The Effect of Ultrasound on Shigella Dysenteriae (Author's Summary).

PERIODICAL: Zhurnal mikrobiologii, epidemiologii i immunobiologii, 1960, Vol. 51
No. 5, pp. 113 - 114

TEXT: Experiments were performed to determine the effect of ultrasound on the internal structure of *Shigella dysenteriae*, which had been subjected to the action of antibiotics. Preliminary tests showed that after 24 - 48 hours polar granulae were secreted by the cell's protoplast. These granulae underwent partial lysis. In the main tests the exposure to ultrasound was selected to keep the loss of polar granules to a minimum. After incubation on a nutrient medium containing streptomycin sulfate, the bacteria were exposed for 5 minutes to sound from an UZU = 0.7 ultrasonic apparatus generating at 600 kc with an

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S/016/60/000/05/48/079

The Effect of Ultrasound on Shigella Dysenteriae (Author's Summary).

output of 2 w/cm². The polar granules obtained during this treatment formed agglomerates in the micro-agglutination reaction.

ASSOCIATION: Tsentral'nyy institut usovershenstvovaniya vrachey (Central
Postgraduate Medical Institute).

SUBMITTED: February 27, 1960

Card 2/2

KHVOLES, A. G., Cand. Medic. Sci. (diss) "Features of Morphological Changes of Bacteria of Intestinal-typhus Groups Under Antibiotics," Moscow, 1961, 13 pp. (Acad. Med. Sci. USSR) 200 copies (KL Supp 12-61, 289).

KHVOLES, A.G.

Structural changes in Flexner's dysenterial bacteria under the influence of streptomycin. Zhur. mikrobiol., epid. i immun. 32 no.9:130-133 S '61. (MIRA 15:2)

1. Iz Tsentral'nogo instituta usovershenstvovaniya vrachey.
(SHIGELLA PARADYSENTERIAE) (STREPTOMYCIN)

KHVOLES, A.G.

Effect of tetracycline on the morphology of *Pseudomonas pyocyanea*.
Lab. delo 10 no.5:307-309 '64. (MIRA 17:5)

1. Laboratoriya po aprobatsii novykh antibiotikov (nauchnyy rukovoditel' - deystvitel'nyy chlen AMN SSSR I.G.Rufanov) AMN SSSR, Moskva.

- 191

Discretion for Issues of

Cardinal's Mathematics Department

KHVOLES, A.R.

Method of successive approximations for one integral equation
with a fixed singularity. Soob. AN Gruz. SSR 21 no. 5:519-522
N '58. (MIRA 12:5)

1. AN Gruz. SSR, Vychislitel'nyy tsentr, Tbilisi. Predstavleno
akademikom V.D. Kupradze. (Integral equations)

KHVOLES, A.R.; SULKHANISHVILI, I.G.

A method simplifying the mechanization of the numerical solution
of certain problems. Trudy Vych.tsentra AN Grus.SSR 2:315-318
'62. (MIRA 16:1)

(Polynomials) (Electronic calculating machines)
(Numerical calculations)

URGENT, V.S.; KHV 20. 4. 4.

Two miss problems for a shell whose middle surface has the
shape of an arch dom. Study Syst. Lawton. AN. 1967. 41. 1.
91-120 141 (AREA 216)

ZHGENTI, V.S.; KHVOLES, A.R.; TSKHADAYA, F.G.

Some problems of the geometry of the middle surface of an arch dam.
Socb. AN Gruz. SSR 32 no.2:289-292 '63.

1. Vychislitel'nyy tsentr AN Gruzinskoy SSR, Tbilisi. Submitted (MIRA 18:1)
January 23, 1963.

SHTAYERMAN, Yu.Ya.; KHVOLES, A.R.; CHIKOVANI, T.D.

Limiting state of equilibrium of a concrete mixture. Soob.
AN Gruz. SSR 39 no.3:639-646 S '65. (MIRA 18:10)

1. Tbilisskiy institut gidroenergetiki i sooruzheniy ineni
Vintera. Submitted February 1, 1965.